

12. (Currently amended) A method of forming wear resistant surface coating on a cast iron substrate, comprising the steps of

providing a nickel based powdered metallic material comprising in addition to nickel 0 - 4.5 % by weight of copper, 0-5.0 % by weight of iron, whereby the total amount of copper and iron is at least 2.5 % by weight, ~~[[0.05-5.0 %]]~~ 0.05-1.0 % by weight of a carbide forming element, 0.5-2.0 % by weight of boron, 1.0-4.0 % by weight of silicon, 0.5-4.0 % by weight of phosphorus, 0.01-0.5 % by weight of C and less than 2 % by weight of inevitable impurities, and

applying and melting at least one layer of the powdered metallic material onto the substrate by means of thermal coating, whereby formation of carbide occurs on the surface of the substrate.

14. (Currently amended) The method according to claim ~~[[1]]~~ 12, wherein the thermal coating includes the use of equipment providing a fusing temperature of 850-910°C.

20. (Canceled)

21. (New) A method of forming wear resistant surface coating on a cast iron substrate, comprising:

providing a nickel based powdered metallic material comprising nickel, 0-4.5 % by weight of copper, 0-5.0 % by weight of iron, whereby the total amount of copper and iron is at least 2.5 % by weight, 0.05-5.0 % by weight of a carbide forming element, the carbide

forming element including chromium, 0.5-2.0 % by weight of boron, 1.0-4.0 % by weight of silicon, 0.5-4.0 % by weight of phosphorus, 0.01-0.5 % by weight of C, and inevitable impurities; and

applying and melting at least one layer of the powdered metallic material onto the substrate by means of thermal coating, whereby formation of carbide occurs on the surface of the substrate.

22. (New) The method according to claim 21, wherein the nickel based powdered metallic material consists essentially of nickel, 0-4.5 % by weight of copper, 0-5.0 % by weight of iron, whereby the total amount of copper and iron is at least 2.5 % by weight, 0.05-5.0 % by weight of a carbide forming element, the carbide forming element including chromium, 0.5-2.0 % by weight of boron, 1.0-4.0 % by weight of silicon, 0.5-4.0 % by weight of phosphorus, 0.01-0.5 % by weight of C, and inevitable impurities.

23. (New) The method according to claim 21, wherein the carbide forming element is free of molybdenum.

24. (New) The method according to claim 21, wherein the carbide forming element consists essentially of chromium.

25. (New) The method according to claim 21, wherein the nickel based powdered metallic material comprises 0.05-1 % by weight of the carbide forming element.